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# अणुविद्या

**HBNI NEWSLETTER**

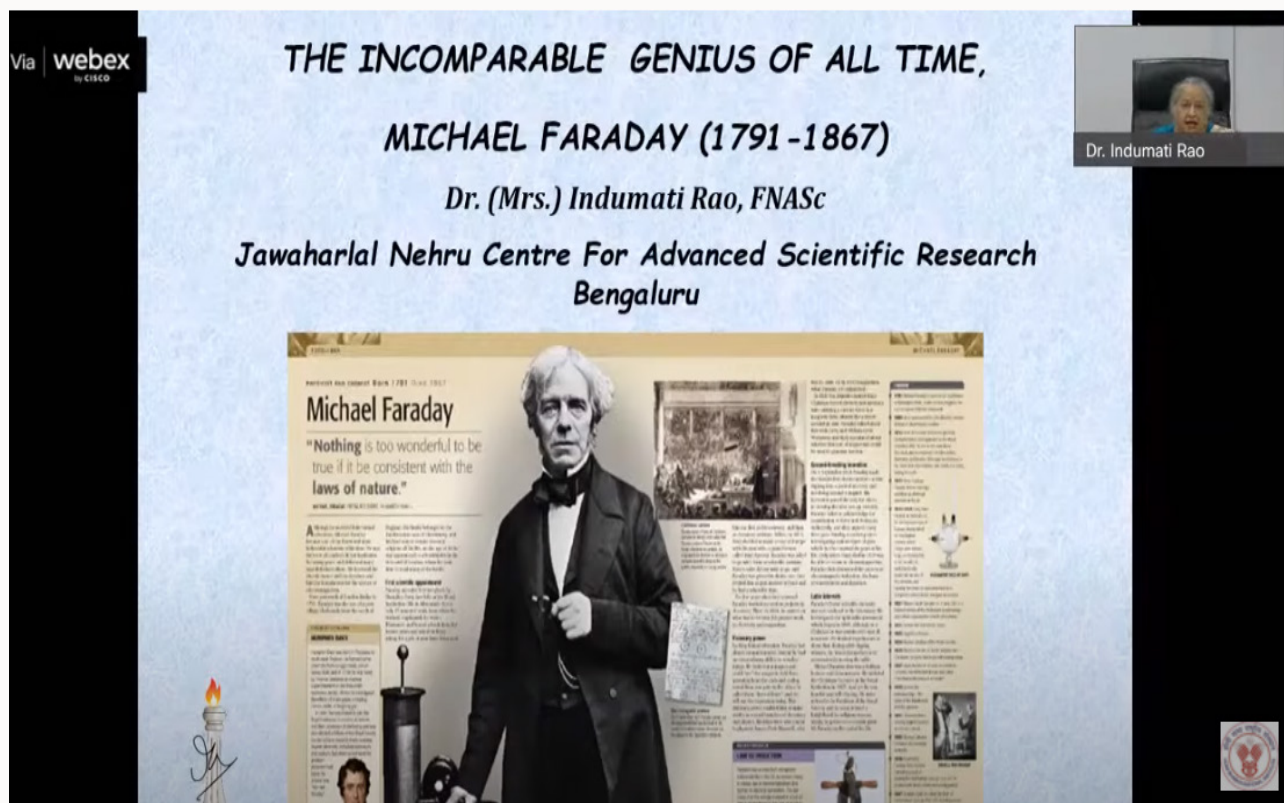
होमी भाभा राष्ट्रीय संस्थान

**Homi Bhabha National Institute**

( परमाणु ऊर्जा विभाग की सहायता प्राप्त संस्था और यूजीसी अधिनियम 1956 की धारा 3 के तहत विश्वविद्यालय माना जाता है )

( An Aided Institution of the Department of Atomic Energy and a Deemed-to-be University Under Section 3 of the UGC Act. 1956 )

created new directions. In her Talk, Prof. Rao covered the incredible journey of Faraday from a boy with a minimal formal education of just three years to becoming one of the most prolific and wide-ranging experimental scientists elaborating on his important experimental discoveries such as benzene (1825), electro-magnetic induction (1831), electro-chemistry (early 1830s), the magneto-optical effect and diamagnetism (both 1845).



**Prof. Indumati Rao delivering her talk online on the occasion of National Science Day Celebration at HBNI**

## International Women's Day Celebration

The Women Cell of HBNI organized International Women's Day on March 8, 2022 at the central office by organizing a webinar titled "Adventures of a particle physicist and why should I care," by Prof. Archana Sharma, Senior Scientist, CERN Geneva, Switzerland. The webinar was organized in hybrid mode and attended by a large no. of students, staff and faculty of HBNI. Smt. Bharati Suvarna, Assistant Registrar and Convener, Women's Cell, HBNI welcomed the gathering. Prof. Vasudeva Rao, VC, HBNI gave introductory remarks. Prof. Umasankari Kannan, Chairperson, Women's Cell, HBNI introduced the guest speaker of the day, Prof. Archana Sharma, who is globally recognised for her work on gaseous detectors for research in High Energy Physics, which explores what the world is made of.

She is an avid supporter of women pursuing careers in science, technology, engineering and mathematics (STEM) and also runs an NGO called Life Lab Education and Research Foundation with the main objective to create partnerships with educational institutions for the benefit of the underprivileged: [www.lifelab.org.in](http://www.lifelab.org.in). In her talk, Prof. Sharma gave insights into the fascinating world of particle physics and how it impacts human lives. She also highlighted the role played by Indian and international women scientists in the research activities being carried out at CERN.



**Glimpses of International Women's Day Celebration at HBNI:  
HBNI Women's cell members and HBNI staff present on the occasion.  
Prof. Vasudeva Rao, VC, HBNI and Prof. Umasankari Kannan, Chairperson,  
HBNI Women's, Cell addressing the gathering (from left and right)**



**Prof. Archana Sharma delivering her talk online on the occasion of International Women's Day**